

**A METHOD AND APPARATUS FOR DYNAMICALLY
SWITCHING BETWEEN SPEECH CODING TECHNIQUES**

Abstract of the Disclosure

5 A power management system for a mobile unit wherein the mobile unit detects
the quality of the signals received from the base station. Based on this signal quality,
the mobile unit determines if the voice data could be adequately transmitted using a
secondary speech coder. If the transmission quality is adequate, the mobile unit
switches from a primary speech coder to a secondary speech coder. The secondary
speech coder is compatible with the primary speech coder, but consumes significantly
10 less battery power when coding and decoding the voice data. The mobile unit may
alternatively monitor the amount of processor usage. If the processor usage exceeds
a threshold level, the mobile unit switches from the primary speech coder to the
secondary speech coder.

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